

file name: C:\SCHTUFF\MASS\_BAY\MBLT\_REPORT\PLOTS2\c5091\_1.txt  
date: 21-May-2005  
nobs = 3673, ngood = 3672, record length (days) = 153.04  
start time: 23-Oct-1997 16:17:30  
rayleigh criterion = 1.0  
nodal corrections applied to amplitude and phase relative to center time

x0= 0.793, x trend= 0

var(x)= 27.3323 var(xp)= 6.6784 var(xres)= 20.654  
percent var predicted= 24.4 %

x0= -3.1, x trend= 0

var(y)= 54.2694 var(yp)= 19.301 var(yres)= 34.9683  
percent var predicted= 35.6 %

ellipse parameters with 95% CI estimates

tide	freq	major	emaj	minor	emin	inc	einc	pha	epha	snr
MM	0.00151	0.830	0.967	0.278	1.11	148.18	90.26	144.61	80.69	0.74
MSF	0.00282	1.038	1.131	-0.737	0.95	118.09	138.34	115.01	146.58	0.84
ALP1	0.03440	0.540	0.316	0.052	0.32	135.27	41.33	257.03	41.29	2.9
2Q1	0.03571	0.440	0.333	-0.130	0.30	96.95	55.13	310.11	60.47	1.8
Q1	0.03722	0.183	0.332	0.060	0.30	80.25	136.77	240.99	149.10	0.3
O1	0.03873	0.509	0.333	-0.315	0.30	85.42	81.48	268.59	85.64	2.3
NO1	0.04027	0.210	0.303	-0.162	0.33	157.43	238.85	75.85	234.10	0.48
K1	0.04178	0.913	0.298	-0.054	0.33	3.92	23.64	269.14	21.14	9.4
J1	0.04329	0.533	0.332	-0.212	0.30	98.84	50.33	253.77	54.43	2.6
OO1	0.04483	0.474	0.320	-0.430	0.31	52.56	460.40	69.65	461.71	2.2
UPS1	0.04634	0.574	0.311	-0.270	0.32	143.13	79.72	84.46	78.12	3.4
EPS2	0.07618	0.262	0.166	0.047	0.17	149.62	37.39	138.16	36.71	2.5
MU2	0.07769	0.169	0.165	0.019	0.17	164.05	56.82	206.56	54.95	1.1
N2	0.07900	1.233	0.170	0.511	0.17	68.80	9.75	177.45	9.95	53
M2	0.08051	6.106	0.170	2.004	0.17	65.46	1.77	208.43	1.81	1.3e+003
L2	0.08202	0.293	0.167	-0.084	0.17	37.26	42.85	253.54	42.46	3.1
S2	0.08333	1.057	0.170	0.252	0.17	64.37	9.81	242.95	10.03	39
ETA2	0.08507	0.207	0.171	0.032	0.16	97.73	73.53	293.22	76.30	1.5
MO3	0.11924	0.133	0.108	0.033	0.10	87.71	54.57	45.82	60.25	1.5
M3	0.12077	0.104	0.107	-0.033	0.10	100.21	59.57	157.58	64.91	0.94
MK3	0.12229	0.194	0.108	-0.106	0.10	90.28	51.37	332.39	54.58	3.3
SK3	0.12511	0.072	0.097	-0.020	0.11	169.93	107.99	78.92	98.72	0.55
MN4	0.15951	0.039	0.077	-0.003	0.08	83.94	104.53	102.43	107.27	0.25
M4	0.16102	0.219	0.077	-0.022	0.08	80.31	18.70	92.70	19.16	8
SN4	0.16233	0.041	0.076	-0.018	0.08	158.22	141.87	119.64	140.02	0.29
MS4	0.16384	0.050	0.077	0.014	0.08	60.36	95.00	156.80	96.12	0.42
S4	0.16667	0.077	0.076	-0.034	0.08	17.06	78.64	3.38	77.49	1
2MK5	0.20280	0.113	0.091	-0.042	0.07	83.86	50.17	200.89	58.73	1.5
2SK5	0.20845	0.035	0.088	-0.018	0.08	118.55	232.77	144.89	248.58	0.16
2MN6	0.24002	0.412	0.134	0.061	0.07	93.50	9.42	325.88	17.15	9.5
M6	0.24153	0.898	0.132	-0.006	0.07	100.67	4.21	5.72	7.57	46
2MS6	0.24436	0.249	0.131	-0.038	0.07	103.03	17.04	64.01	28.93	3.6
2SM6	0.24718	0.068	0.134	0.020	0.07	93.83	71.13	142.33	119.27	0.26
3MK7	0.28331	0.058	0.070	0.002	0.07	80.01	67.29	40.99	69.69	0.69
M8	0.32205	0.073	0.061	-0.018	0.06	148.47	46.38	59.19	45.42	1.4

total var= 81.6017 pred var= 25.9794  
percent total var predicted= 31.8 %

file name: C:\SCHTUFF\MASS\_BAY\MBLT\_REPORT\PLOTS2\c5181\_1.txt  
date: 21-May-2005  
nobs = 2019, ngood = 2019, record length (days) = 84.13  
start time: 25-Mar-1998 18:17:30  
rayleigh criterion = 1.0  
nodal corrections applied to amplitude and phase relative to center time

x0= 0.217, x trend= 0

var(x)= 54.503 var(xp)= 19.1151 var(xres)= 35.3879  
percent var predicted= 35.1 %

x0= -0.364, x trend= 0

var(y)= 42.8561 var(yp)= 14.8873 var(yres)= 27.9688  
percent var predicted= 34.7 %

ellipse parameters with 95% CI estimates

tide	freq	major	emaj	minor	emin	inc	einc	pha	epha	snr
MM	0.00151	1.600	1.570	0.228	1.62	140.26	59.66	317.57	58.02	1
MSF	0.00282	2.143	1.517	-0.169	1.67	153.12	44.96	130.51	40.96	2
ALP1	0.03440	1.228	0.620	-0.569	0.54	160.14	43.31	95.08	47.49	3.9
2Q1	0.03571	0.630	0.620	-0.115	0.54	159.54	62.35	232.51	71.12	1
Q1	0.03722	0.441	0.576	-0.170	0.58	132.91	115.57	34.07	114.42	0.58
O1	0.03873	0.691	0.555	0.053	0.60	121.05	61.63	298.56	56.57	1.6
NO1	0.04027	0.522	0.525	-0.268	0.63	85.11	90.86	322.48	81.67	0.99
K1	0.04178	1.923	0.617	-1.328	0.54	157.20	43.92	201.57	45.98	9.7
J1	0.04329	1.209	0.596	-0.679	0.56	143.53	53.61	193.47	55.15	4.1
OO1	0.04483	1.530	0.622	-0.394	0.54	161.96	34.76	300.50	39.65	6
UPS1	0.04634	0.298	0.568	0.121	0.59	51.33	251.97	45.00	244.77	0.27
EPS2	0.07618	0.588	0.962	-0.371	0.74	161.30	148.48	273.62	165.80	0.37
MU2	0.07769	1.026	0.975	-0.406	0.72	166.97	52.36	226.10	64.84	1.1
N2	0.07900	1.412	0.791	0.916	0.92	120.86	71.51	203.83	67.20	3.2
M2	0.08051	5.110	0.893	3.223	0.82	37.83	17.94	177.98	18.57	33
L2	0.08202	1.170	0.981	0.121	0.72	9.79	40.75	213.89	55.32	1.4
S2	0.08333	1.417	0.708	-0.342	0.99	87.46	43.10	265.45	32.15	4
ETA2	0.08507	0.597	0.986	-0.020	0.71	174.79	101.29	260.27	140.43	0.37
MO3	0.11924	0.242	0.280	-0.037	0.19	173.19	54.62	21.39	80.36	0.75
M3	0.12077	0.353	0.270	-0.220	0.20	158.49	66.25	17.18	75.30	1.7
MK3	0.12229	0.437	0.209	-0.119	0.26	62.37	41.33	77.09	33.94	4.4
SK3	0.12511	0.219	0.275	-0.021	0.19	16.71	58.10	350.73	81.39	0.64
MN4	0.15951	0.507	0.219	-0.167	0.25	58.92	30.50	80.63	27.72	5.3
M4	0.16102	0.348	0.221	0.030	0.25	57.30	38.14	103.09	34.35	2.5
SN4	0.16233	0.265	0.237	-0.149	0.23	41.44	81.48	57.32	82.83	1.2
MS4	0.16384	0.220	0.210	-0.002	0.26	69.35	64.22	98.89	52.93	1.1
S4	0.16667	0.176	0.203	-0.084	0.26	81.89	117.40	151.79	100.52	0.75
2MK5	0.20280	0.122	0.146	-0.007	0.15	124.79	76.06	260.05	72.07	0.7
2SK5	0.20845	0.153	0.160	-0.113	0.14	167.24	170.74	149.35	177.85	0.91
2MN6	0.24002	0.486	0.148	0.007	0.13	115.75	14.35	324.72	15.73	11
M6	0.24153	1.001	0.151	-0.071	0.13	101.18	6.85	12.14	7.84	44
2MS6	0.24436	0.271	0.150	0.033	0.13	105.32	26.73	50.55	30.26	3.3
2SM6	0.24718	0.156	0.131	-0.100	0.15	178.46	104.67	79.59	98.42	1.4
3MK7	0.28331	0.087	0.107	-0.046	0.09	10.28	102.06	90.87	109.88	0.65
M8	0.32205	0.091	0.082	0.044	0.09	120.41	67.05	58.33	65.18	1.2

total var= 97.3591 pred var= 34.0024  
percent total var predicted= 34.9 %

file name: C:\SCHTUFF\MASS\_BAY\MBLT\_REPORT\PLOTS2\c5322\_1.txt  
date: 21-May-2005  
nobs = 2513, ngood = 2513, record length (days) = 104.71  
start time: 17-Jun-1998 22:37:30  
rayleigh criterion = 1.0  
nodal corrections applied to amplitude and phase relative to center time

x0= 0.82, x trend= 0

var(x)= 63.2358 var(xp)= 30.5724 var(xres)= 32.6633  
percent var predicted= 48.3 %

x0= 0.205, x trend= 0

var(y)= 28.7604 var(yp)= 13.3188 var(yres)= 15.4416  
percent var predicted= 46.3 %

ellipse parameters with 95% CI estimates

tide	freq	major	emaj	minor	emin	inc	einc	pha	epha	snr
MM	0.00151	0.469	0.729	-0.074	0.73	135.40	92.71	214.15	92.49	0.41
MSF	0.00282	0.581	0.789	0.375	0.67	100.83	141.50	164.16	151.60	0.54
ALP1	0.03440	0.402	0.346	-0.248	0.25	157.67	88.05	317.57	102.15	1.3
2Q1	0.03571	0.427	0.331	-0.220	0.27	148.62	68.32	315.61	77.28	1.7
Q1	0.03722	0.232	0.243	-0.002	0.35	69.38	102.74	349.19	71.58	0.91
O1	0.03873	0.905	0.298	-0.426	0.30	133.84	32.75	279.92	32.36	9.2
NO1	0.04027	0.265	0.280	-0.108	0.32	126.61	81.21	143.95	73.83	0.89
K1	0.04178	1.841	0.260	-1.168	0.34	118.47	21.71	343.67	19.50	50
J1	0.04329	0.464	0.356	-0.163	0.23	165.53	42.90	6.31	59.42	1.7
OO1	0.04483	0.858	0.363	-0.245	0.22	1.97	27.42	16.59	41.40	5.6
UPS1	0.04634	0.792	0.361	-0.172	0.22	172.18	30.41	4.07	46.65	4.8
EPS2	0.07618	0.815	1.206	-0.614	0.71	169.39	177.77	95.33	203.29	0.46
MU2	0.07769	0.933	1.141	-0.158	0.81	154.51	50.86	154.43	69.91	0.67
N2	0.07900	1.453	0.908	0.080	1.07	125.99	40.84	224.86	34.79	2.6
M2	0.08051	7.543	1.114	0.855	0.85	150.41	6.39	277.52	8.32	46
L2	0.08202	2.495	1.199	-1.555	0.72	167.08	43.01	263.05	52.96	4.3
S2	0.08333	1.616	0.738	-0.938	1.19	105.35	67.84	283.44	54.22	4.8
ETA2	0.08507	0.869	0.734	-0.452	1.19	75.25	160.82	18.22	123.48	1.4
MO3	0.11924	0.367	0.237	-0.108	0.14	9.70	31.44	113.57	47.89	2.4
M3	0.12077	0.279	0.239	-0.109	0.14	4.28	38.41	250.83	56.33	1.4
MK3	0.12229	0.338	0.238	-0.015	0.14	172.41	25.74	336.75	43.51	2
SK3	0.12511	0.265	0.239	-0.184	0.14	179.18	100.93	186.98	120.35	1.2
MN4	0.15951	0.460	0.370	-0.115	0.18	9.01	25.13	47.98	46.38	1.5
M4	0.16102	0.865	0.350	-0.223	0.22	23.48	15.58	108.87	23.50	6.1
SN4	0.16233	0.772	0.371	-0.103	0.18	7.49	13.44	88.51	27.22	4.3
MS4	0.16384	0.642	0.361	-0.082	0.20	16.87	17.79	81.85	31.85	3.2
S4	0.16667	0.148	0.328	-0.059	0.25	147.43	129.49	213.40	158.50	0.2
2MK5	0.20280	0.106	0.156	-0.024	0.12	160.83	74.64	324.89	94.23	0.46
2SK5	0.20845	0.079	0.140	0.032	0.14	45.04	145.27	3.54	145.23	0.32
2MN6	0.24002	0.325	0.144	-0.071	0.16	96.75	28.09	347.54	24.88	5.1
M6	0.24153	0.928	0.145	-0.001	0.16	103.03	9.15	20.16	8.09	41
2MS6	0.24436	0.335	0.145	-0.088	0.16	76.59	28.95	86.49	26.02	5.4
2SM6	0.24718	0.114	0.165	-0.064	0.14	6.99	121.34	264.51	130.06	0.48
3MK7	0.28331	0.095	0.085	-0.035	0.11	67.05	81.59	128.35	66.61	1.3
M8	0.32205	0.112	0.069	0.040	0.07	133.82	37.76	88.55	37.35	2.7

total var= 91.9961 pred var= 43.8912  
percent total var predicted= 47.7 %

file name: C:\SCHTUFF\MASS\_BAY\MBLT\_REPORT\PLOTS2\c5422\_1.txt  
date: 21-May-2005  
nobs = 3192, ngood = 3191, record length (days) = 133.00  
start time: 30-Sep-1998 17:52:30  
rayleigh criterion = 1.0  
nodal corrections applied to amplitude and phase relative to center time

x0= -0.821, x trend= 0

var(x)= 34.7758 var(xp)= 6.8784 var(xres)= 27.8973  
percent var predicted= 19.8 %

x0= -0.117, x trend= 0

var(y)= 42.5617 var(yp)= 18.7448 var(yres)= 23.8169  
percent var predicted= 44.0 %

ellipse parameters with 95% CI estimates

tide	freq	major	emaj	minor	emin	inc	einc	pha	epha	snr
MM	0.00151	0.838	0.902	-0.236	0.88	138.99	68.26	272.28	69.40	0.86
MSF	0.00282	0.693	0.938	-0.084	0.85	158.97	71.60	82.91	79.23	0.55
ALP1	0.03440	0.809	0.366	-0.195	0.36	143.82	32.33	204.31	32.65	4.9
2Q1	0.03571	0.255	0.366	0.072	0.36	142.26	105.71	192.95	106.54	0.49
Q1	0.03722	0.616	0.360	-0.238	0.37	117.49	50.20	221.75	49.42	2.9
O1	0.03873	0.680	0.368	0.178	0.36	151.82	39.94	25.72	40.65	3.4
NO1	0.04027	0.651	0.365	-0.230	0.36	138.15	38.51	209.46	38.63	3.2
K1	0.04178	0.692	0.366	-0.181	0.36	35.30	36.65	260.40	37.04	3.6
J1	0.04329	0.381	0.371	-0.197	0.36	3.69	93.30	74.06	95.28	1.1
OO1	0.04483	0.333	0.362	0.192	0.37	123.20	169.94	142.11	168.69	0.85
UPS1	0.04634	0.716	0.359	-0.472	0.37	110.87	101.86	33.16	100.77	4
EPS2	0.07618	0.256	0.196	-0.201	0.17	10.95	125.73	141.08	129.67	1.7
MU2	0.07769	0.327	0.195	-0.011	0.17	16.67	29.33	98.81	32.96	2.8
N2	0.07900	1.686	0.180	0.249	0.19	56.31	6.44	155.96	6.11	88
M2	0.08051	5.708	0.175	2.351	0.19	68.62	2.42	203.38	2.25	1.1e+003
L2	0.08202	0.659	0.183	-0.048	0.19	48.32	16.89	283.02	16.62	13
S2	0.08333	1.200	0.174	0.109	0.20	72.89	9.44	238.41	8.43	48
ETA2	0.08507	0.251	0.197	-0.003	0.17	176.72	52.44	47.66	60.26	1.6
MO3	0.11924	0.130	0.071	-0.029	0.07	34.90	40.52	307.08	38.45	3.4
M3	0.12077	0.094	0.067	-0.029	0.08	15.64	51.60	163.89	45.78	2
MK3	0.12229	0.191	0.074	-0.082	0.07	129.70	30.74	241.74	31.41	6.7
SK3	0.12511	0.171	0.078	-0.105	0.07	105.15	48.93	78.45	52.25	4.8
MN4	0.15951	0.158	0.061	-0.041	0.06	100.32	23.21	34.51	22.90	6.8
M4	0.16102	0.272	0.061	-0.007	0.06	102.66	12.19	97.12	12.01	20
SN4	0.16233	0.104	0.061	-0.046	0.06	95.04	44.63	194.65	44.14	2.9
MS4	0.16384	0.077	0.062	0.012	0.06	16.53	45.74	58.66	46.34	1.6
S4	0.16667	0.045	0.061	-0.011	0.06	110.74	84.81	234.31	83.89	0.56
2MK5	0.20280	0.062	0.047	-0.007	0.05	164.36	43.77	262.93	45.20	1.8
2SK5	0.20845	0.058	0.046	0.049	0.05	147.19	241.64	163.89	242.25	1.6
2MN6	0.24002	0.450	0.084	-0.030	0.05	111.36	6.01	319.51	9.73	29
M6	0.24153	0.681	0.087	-0.017	0.05	101.11	3.50	8.35	6.67	61
2MS6	0.24436	0.278	0.086	0.014	0.05	105.35	9.33	54.46	16.73	10
2SM6	0.24718	0.047	0.084	-0.014	0.05	70.13	71.99	57.71	109.99	0.31
3MK7	0.28331	0.059	0.034	-0.002	0.03	166.16	32.47	314.03	33.31	3
M8	0.32205	0.027	0.029	0.011	0.03	138.28	69.62	84.20	69.90	0.87

total var= 77.3375 pred var= 25.6232  
percent total var predicted= 33.1 %

file name: C:\SCHTUFF\MASS\_BAY\MBLT\_REPORT\PLOTS2\c5541\_1.txt  
date: 21-May-2005  
nobs = 2513, ngood = 2497, record length (days) = 104.71  
start time: 10-Feb-1999 19:52:30  
rayleigh criterion = 1.0  
nodal corrections applied to amplitude and phase relative to center time

x0= 0.691, x trend= 0

var(x)= 39.7477 var(xp)= 13.3989 var(xres)= 26.3489  
percent var predicted= 33.7 %

x0= -2.59, x trend= 0

var(y)= 55.3468 var(yp)= 18.6377 var(yres)= 36.7091  
percent var predicted= 33.7 %

ellipse parameters with 95% CI estimates

tide	freq	major	emaj	minor	emin	inc	einc	pha	epha	snr
MM	0.00151	2.248	1.134	-0.085	0.94	123.16	24.13	62.42	28.96	3.9
MSF	0.00282	1.514	1.174	-0.391	0.89	116.88	38.27	54.23	48.53	1.7
ALP1	0.03440	0.406	0.473	-0.220	0.50	82.59	127.34	246.66	122.90	0.74
2Q1	0.03571	0.577	0.505	-0.204	0.47	179.46	64.33	291.42	67.77	1.3
Q1	0.03722	1.129	0.505	-0.065	0.47	172.86	27.47	73.87	29.31	5
O1	0.03873	0.513	0.500	0.057	0.48	155.63	63.07	352.92	65.85	1.1
NO1	0.04027	0.687	0.475	0.125	0.50	106.71	49.33	184.53	46.81	2.1
K1	0.04178	1.229	0.505	-1.061	0.47	7.85	128.42	333.20	129.64	5.9
J1	0.04329	0.301	0.477	-0.122	0.50	68.18	133.62	255.26	129.06	0.4
OO1	0.04483	0.940	0.502	-0.063	0.48	16.93	46.59	25.06	49.24	3.5
UPS1	0.04634	0.513	0.478	-0.092	0.50	114.26	93.24	143.81	89.44	1.2
EPS2	0.07618	0.310	0.421	-0.204	0.35	10.17	134.32	109.78	144.75	0.54
MU2	0.07769	0.830	0.419	-0.254	0.35	165.54	27.39	200.89	31.69	3.9
N2	0.07900	1.240	0.400	0.998	0.37	144.93	62.61	253.91	63.53	9.6
M2	0.08051	5.665	0.376	2.714	0.40	53.19	5.56	196.25	5.37	2.3e+002
L2	0.08202	0.825	0.384	-0.435	0.39	46.86	40.61	283.65	40.31	4.6
S2	0.08333	1.740	0.371	0.332	0.40	56.34	13.95	239.11	12.98	22
ETA2	0.08507	0.229	0.421	-0.141	0.35	168.39	219.98	156.56	238.98	0.3
MO3	0.11924	0.064	0.194	0.018	0.20	107.78	226.45	267.87	218.29	0.11
M3	0.12077	0.062	0.202	0.007	0.19	22.29	177.33	36.69	183.89	0.093
MK3	0.12229	0.170	0.200	-0.007	0.20	37.77	70.35	144.75	71.28	0.73
SK3	0.12511	0.207	0.193	-0.039	0.20	93.31	64.83	177.51	61.76	1.1
MN4	0.15951	0.239	0.113	-0.118	0.12	84.09	39.04	57.85	38.10	4.5
M4	0.16102	0.251	0.114	-0.022	0.12	66.60	25.50	121.23	24.81	4.9
SN4	0.16233	0.247	0.118	-0.056	0.11	14.70	27.75	226.28	28.66	4.4
MS4	0.16384	0.214	0.113	-0.032	0.12	97.83	31.67	157.19	30.49	3.6
S4	0.16667	0.151	0.117	-0.037	0.11	28.24	47.84	323.11	48.81	1.7
2MK5	0.20280	0.081	0.082	-0.058	0.08	43.80	146.77	56.06	146.55	0.99
2SK5	0.20845	0.077	0.082	0.062	0.08	45.10	243.96	254.97	243.97	0.88
2MN6	0.24002	0.375	0.129	-0.007	0.06	91.27	8.90	343.16	17.95	8.5
M6	0.24153	0.731	0.128	0.042	0.06	94.00	4.65	8.22	9.26	32
2MS6	0.24436	0.259	0.129	-0.001	0.06	91.53	13.33	63.27	26.90	4.1
2SM6	0.24718	0.097	0.070	0.022	0.13	164.43	76.24	232.78	45.75	1.9
3MK7	0.28331	0.077	0.065	0.039	0.07	46.00	74.30	222.10	74.18	1.4
M8	0.32205	0.085	0.049	-0.018	0.04	104.08	27.62	89.22	31.60	3

total var= 95.0945 pred var= 32.0365  
percent total var predicted= 33.7 %

file name: C:\SCHTUFF\MASS\_BAY\MBLT\_REPORT\PLOTS2\c5712\_1.txt  
date: 21-May-2005  
nobs = 3173, ngood = 3173, record length (days) = 132.21  
start time: 11-May-1999 22:35:00  
rayleigh criterion = 1.0  
nodal corrections applied to amplitude and phase relative to center time

x0= 0.511, x trend= 0

var(x)= 70.6072 var(xp)= 36.6947 var(xres)= 33.9125  
percent var predicted= 52.0 %

x0= 0.484, x trend= 0

var(y)= 22.9683 var(yp)= 5.7868 var(yres)= 17.1816  
percent var predicted= 25.2 %

ellipse parameters with 95% CI estimates

tide	freq	major	emaj	minor	emin	inc	einc	pha	epha	snr
MM	0.00151	0.796	0.407	-0.053	0.62	101.47	44.50	70.19	29.52	3.8
MSF	0.00282	0.291	0.517	-0.007	0.53	133.81	103.57	204.27	101.75	0.32
ALP1	0.03440	0.421	0.386	-0.007	0.32	17.96	47.91	168.98	58.30	1.2
2Q1	0.03571	0.247	0.394	-0.074	0.31	178.26	92.59	356.90	113.32	0.39
Q1	0.03722	0.362	0.394	-0.087	0.31	179.41	60.65	14.19	75.29	0.84
O1	0.03873	0.510	0.326	0.221	0.38	115.23	63.75	320.02	57.43	2.5
NO1	0.04027	0.858	0.383	-0.209	0.32	158.50	30.94	175.26	36.19	5
K1	0.04178	1.272	0.320	-0.512	0.38	110.59	23.51	327.56	20.63	16
J1	0.04329	0.275	0.394	-0.151	0.31	179.17	119.57	191.96	136.02	0.49
OO1	0.04483	0.287	0.317	0.135	0.39	107.14	174.52	226.14	153.76	0.82
UPS1	0.04634	0.193	0.316	0.059	0.39	106.15	202.61	150.19	171.08	0.37
EPS2	0.07618	0.313	0.543	-0.065	0.80	85.27	143.17	95.75	101.00	0.33
MU2	0.07769	0.508	0.796	-0.123	0.55	6.71	66.63	158.89	92.93	0.41
N2	0.07900	2.156	0.793	0.192	0.55	170.25	14.45	254.14	20.69	7.4
M2	0.08051	7.741	0.799	2.397	0.54	179.30	4.75	317.92	6.51	94
L2	0.08202	0.430	0.560	0.064	0.79	104.31	97.51	336.50	70.66	0.59
S2	0.08333	1.062	0.674	0.334	0.69	46.87	43.32	229.92	42.47	2.5
ETA2	0.08507	0.862	0.793	-0.345	0.55	10.04	59.95	359.28	77.59	1.2
MO3	0.11924	0.241	0.185	-0.162	0.26	105.27	140.41	276.77	123.40	1.7
M3	0.12077	0.136	0.202	-0.115	0.25	61.45	430.47	185.21	415.33	0.46
MK3	0.12229	0.536	0.265	-0.236	0.18	13.68	30.21	156.59	38.52	4.1
SK3	0.12511	0.141	0.238	-0.090	0.22	38.51	197.16	292.34	204.67	0.35
MN4	0.15951	0.490	0.276	-0.325	0.22	31.99	55.91	121.32	61.41	3.2
M4	0.16102	0.875	0.291	-0.430	0.20	23.15	19.84	179.97	25.10	9
SN4	0.16233	0.368	0.306	-0.085	0.17	8.47	29.58	323.10	49.32	1.4
MS4	0.16384	0.389	0.240	-0.087	0.26	48.15	39.38	156.71	37.30	2.6
S4	0.16667	0.309	0.268	-0.064	0.23	35.84	45.25	20.98	53.04	1.3
2MK5	0.20280	0.181	0.154	-0.080	0.14	142.38	61.91	128.87	66.78	1.4
2SK5	0.20845	0.179	0.147	-0.085	0.15	44.53	72.44	334.37	72.77	1.5
2MN6	0.24002	0.518	0.107	0.117	0.15	73.30	15.79	308.52	12.01	24
M6	0.24153	0.875	0.103	0.210	0.15	85.72	9.63	10.00	6.97	73
2MS6	0.24436	0.258	0.124	-0.028	0.13	130.92	27.99	70.25	26.65	4.3
2SM6	0.24718	0.055	0.118	-0.030	0.14	56.50	216.35	122.15	200.54	0.22
3MK7	0.28331	0.040	0.098	0.009	0.11	56.60	173.05	5.53	153.57	0.17
M8	0.32205	0.094	0.075	-0.060	0.05	170.39	66.79	2.55	77.29	1.6

total var= 93.5756 pred var= 42.4815  
percent total var predicted= 45.4 %

file name: C:\SCHTUFF\MASS\_BAY\MBLT\_REPORT\PLOTS2\c5931\_1.txt  
date: 21-May-2005  
nobs = 4264, ngood = 4260, record length (days) = 177.67  
start time: 21-Sep-1999 19:50:00  
rayleigh criterion = 1.0  
nodal corrections applied to amplitude and phase relative to center time

x0= -0.0248, x trend= 0

var(x)= 35.6603 var(xp)= 8.044 var(xres)= 27.6163  
percent var predicted= 22.6 %

x0= -1.68, x trend= 0

var(y)= 54.1466 var(yp)= 17.4858 var(yres)= 36.6608  
percent var predicted= 32.3 %

ellipse parameters with 95% CI estimates

tide	freq	major	emaj	minor	emin	inc	einc	pha	epha	snr
MM	0.00151	0.648	1.528	0.112	1.42	129.59	131.53	264.09	141.10	0.18
MSF	0.00282	0.578	1.488	0.223	1.46	133.70	182.90	59.74	185.35	0.15
ALP1	0.03440	0.129	0.209	-0.090	0.24	18.28	261.03	22.12	249.23	0.38
2Q1	0.03571	0.239	0.227	-0.074	0.22	130.67	65.60	82.02	66.98	1.1
Q1	0.03722	0.519	0.229	-0.200	0.22	126.77	33.22	325.10	34.41	5.1
O1	0.03873	0.351	0.208	0.088	0.24	162.16	46.92	45.35	41.62	2.8
NO1	0.04027	0.528	0.238	-0.345	0.21	109.89	87.76	18.00	92.38	4.9
K1	0.04178	0.578	0.232	0.053	0.22	121.75	23.02	5.51	24.76	6.2
J1	0.04329	0.378	0.241	-0.079	0.21	80.69	34.40	280.86	39.80	2.5
OO1	0.04483	0.479	0.242	-0.261	0.20	85.43	69.32	304.96	75.81	3.9
UPS1	0.04634	0.333	0.242	0.025	0.20	94.21	52.05	127.09	61.36	1.9
EPS2	0.07618	0.190	0.191	-0.038	0.17	89.88	51.96	49.00	56.53	0.98
MU2	0.07769	0.229	0.175	0.139	0.19	6.81	83.91	55.75	80.57	1.7
N2	0.07900	1.490	0.186	0.410	0.18	56.36	7.63	158.85	7.86	64
M2	0.08051	5.922	0.187	2.426	0.18	60.22	2.21	199.40	2.29	1e+003
L2	0.08202	0.537	0.189	0.009	0.18	64.95	15.99	265.27	16.95	8.1
S2	0.08333	1.158	0.188	0.287	0.18	64.76	9.70	239.48	10.21	38
ETA2	0.08507	0.239	0.184	-0.128	0.18	133.63	76.84	291.87	77.03	1.7
MO3	0.11924	0.150	0.078	-0.044	0.07	102.85	32.96	249.83	36.05	3.7
M3	0.12077	0.035	0.078	0.001	0.07	85.05	110.85	334.16	124.52	0.2
MK3	0.12229	0.160	0.071	-0.110	0.08	152.08	64.11	267.07	62.62	5
SK3	0.12511	0.055	0.070	-0.022	0.08	20.51	108.82	108.13	102.10	0.61
MN4	0.15951	0.108	0.059	0.082	0.06	92.43	89.26	114.86	89.09	3.4
M4	0.16102	0.304	0.059	0.049	0.06	88.35	11.12	105.18	11.04	27
SN4	0.16233	0.046	0.059	-0.005	0.06	174.07	72.50	246.92	73.02	0.61
MS4	0.16384	0.149	0.059	0.000	0.06	99.70	22.32	136.33	22.16	6.4
S4	0.16667	0.082	0.059	-0.027	0.06	71.70	49.51	343.79	49.28	1.9
2MK5	0.20280	0.033	0.048	-0.006	0.05	157.89	91.16	302.21	88.95	0.47
2SK5	0.20845	0.017	0.049	-0.015	0.05	132.31	740.44	357.96	740.89	0.13
2MN6	0.24002	0.403	0.089	0.034	0.04	98.85	5.89	323.53	11.88	21
M6	0.24153	0.757	0.088	0.026	0.04	100.12	3.11	11.15	6.26	74
2MS6	0.24436	0.367	0.088	-0.015	0.04	99.75	6.57	64.31	13.25	17
2SM6	0.24718	0.050	0.089	-0.027	0.04	95.28	98.59	60.87	142.85	0.32
3MK7	0.28331	0.037	0.032	0.007	0.04	17.62	62.07	135.80	52.61	1.3
M8	0.32205	0.055	0.033	0.002	0.03	114.34	29.01	102.21	30.98	2.9

total var= 89.807 pred var= 25.5299  
percent total var predicted= 28.4 %

file name: C:\SCHTUFF\MASS\_BAY\MBLT\_REPORT\PLOTS2\c6131\_1.txt  
date: 21-May-2005  
nobs = 2014, ngood = 2013, record length (days) = 83.92  
start time: 15-Feb-2000 20:15:00  
rayleigh criterion = 1.0  
nodal corrections applied to amplitude and phase relative to center time

x0= 0.0188, x trend= 0

var(x)= 35.2597 var(xp)= 10.9128 var(xres)= 24.347  
percent var predicted= 30.9 %

x0= -1.24, x trend= 0

var(y)= 37.882 var(yp)= 16.2382 var(yres)= 21.6438  
percent var predicted= 42.9 %

ellipse parameters with 95% CI estimates

tide	freq	major	emaj	minor	emin	inc	einc	pha	epha	snr
MM	0.00151	1.693	1.364	0.275	1.45	158.59	50.85	344.86	48.13	1.5
MSF	0.00282	0.942	1.444	0.184	1.37	112.85	88.20	133.26	92.81	0.43
ALP1	0.03440	0.263	0.578	-0.013	0.35	7.78	80.83	188.36	134.11	0.21
2Q1	0.03571	0.509	0.526	-0.074	0.42	148.16	51.70	27.91	63.79	0.94
Q1	0.03722	0.823	0.395	-0.401	0.55	115.07	56.30	315.19	46.32	4.3
O1	0.03873	0.518	0.477	-0.131	0.48	135.17	62.64	333.66	62.79	1.2
NO1	0.04027	0.928	0.563	-0.789	0.37	17.80	290.42	44.55	309.56	2.7
K1	0.04178	0.482	0.571	-0.181	0.36	13.75	60.66	315.66	85.08	0.71
J1	0.04329	0.258	0.551	-0.006	0.39	156.72	86.94	209.24	123.14	0.22
OO1	0.04483	0.888	0.390	-0.727	0.55	113.67	203.79	239.95	190.91	5.2
UPS1	0.04634	0.425	0.342	-0.233	0.58	86.98	164.31	77.15	125.85	1.5
EPS2	0.07618	0.416	0.368	-0.145	0.36	136.63	55.21	305.01	56.24	1.3
MU2	0.07769	0.249	0.409	0.058	0.31	25.38	76.87	39.39	97.75	0.37
N2	0.07900	1.426	0.330	0.129	0.39	57.40	15.76	162.92	13.25	19
M2	0.08051	5.668	0.334	2.761	0.39	56.11	5.51	199.32	5.00	2.9e+002
L2	0.08202	0.355	0.420	0.060	0.30	18.49	41.61	219.30	57.59	0.71
S2	0.08333	1.128	0.348	0.345	0.38	50.82	22.07	227.96	20.58	11
ETA2	0.08507	0.379	0.395	-0.263	0.33	147.76	132.26	303.53	140.82	0.92
MO3	0.11924	0.154	0.147	-0.128	0.15	103.59	244.80	330.29	244.39	1.1
M3	0.12077	0.186	0.148	-0.116	0.15	28.85	85.33	249.88	85.54	1.6
MK3	0.12229	0.104	0.148	0.000	0.15	129.35	83.82	237.52	83.65	0.5
SK3	0.12511	0.147	0.149	0.060	0.15	7.01	78.40	77.71	78.96	0.98
MN4	0.15951	0.232	0.125	0.033	0.12	47.71	30.32	82.30	30.71	3.4
M4	0.16102	0.382	0.130	0.171	0.12	69.30	23.63	79.25	25.34	8.6
SN4	0.16233	0.057	0.132	0.008	0.12	100.77	117.72	105.18	133.41	0.19
MS4	0.16384	0.151	0.121	-0.025	0.13	34.05	49.23	152.72	46.86	1.6
S4	0.16667	0.046	0.131	-0.002	0.12	71.86	146.94	28.36	164.47	0.12
2MK5	0.20280	0.081	0.102	-0.035	0.10	90.12	91.62	231.85	95.69	0.63
2SK5	0.20845	0.148	0.096	-0.050	0.10	10.49	49.05	109.97	46.81	2.4
2MN6	0.24002	0.346	0.124	0.008	0.07	87.74	11.16	319.75	19.40	7.8
M6	0.24153	0.963	0.124	-0.018	0.07	90.19	3.98	7.47	6.94	61
2MS6	0.24436	0.366	0.124	-0.039	0.07	92.39	11.01	63.15	18.86	8.8
2SM6	0.24718	0.089	0.094	-0.002	0.11	37.26	68.05	90.37	59.43	0.9
3MK7	0.28331	0.051	0.098	-0.033	0.08	59.52	195.29	340.76	209.70	0.28
M8	0.32205	0.050	0.066	-0.013	0.07	50.51	77.33	129.80	76.53	0.59

total var= 73.1417 pred var= 27.1509  
percent total var predicted= 37.1 %

file name: C:\SCHTUFF\MASS\_BAY\MBLT\_REPORT\PLOTS2\c6151\_1.txt  
date: 21-May-2005  
nobs = 970, ngood = 969, record length (days) = 40.42  
start time: 29-Mar-2000 16:50:00  
rayleigh criterion = 1.0  
nodal corrections applied to amplitude and phase relative to center time

x0= 0.354, x trend= 0

var(x)= 53.3607 var(xp)= 21.0991 var(xres)= 32.2616  
percent var predicted= 39.5 %

x0= -0.652, x trend= 0

var(y)= 38.5625 var(yp)= 20.6604 var(yres)= 17.9021  
percent var predicted= 53.6 %

ellipse parameters with 95% CI estimates

tide	freq	major	emaj	minor	emin	inc	einc	pha	epha	snr
MM	0.00151	4.905	1.336	0.228	1.36	148.67	15.99	348.79	15.66	13
MSF	0.00282	0.919	1.342	-0.110	1.36	143.17	86.61	317.73	85.52	0.47
ALP1	0.03440	0.552	0.591	0.257	0.55	38.65	85.84	146.68	90.24	0.87
2Q1	0.03571	0.848	0.662	-0.260	0.46	179.14	39.05	77.78	52.75	1.6
Q1	0.03722	0.961	0.465	-0.507	0.66	99.92	61.62	310.41	50.99	4.3
O1	0.03873	0.825	0.627	-0.037	0.50	153.75	37.80	345.18	46.97	1.7
NO1	0.04027	1.553	0.550	-1.002	0.59	50.51	95.84	349.40	93.21	8
K1	0.04178	0.915	0.628	-0.259	0.50	25.94	38.08	303.08	45.94	2.1
J1	0.04329	0.241	0.613	-0.202	0.52	148.44	579.53	340.83	596.11	0.15
OO1	0.04483	1.342	0.523	-1.131	0.61	58.01	180.19	286.19	175.52	6.6
UPS1	0.04634	0.610	0.534	-0.257	0.60	124.96	101.23	71.13	93.00	1.3
EPS2	0.07618	0.980	0.424	-0.497	0.31	161.41	27.30	311.35	32.80	5.4
MU2	0.07769	0.718	0.434	-0.280	0.29	8.65	30.86	137.28	40.74	2.7
N2	0.07900	1.568	0.376	-0.218	0.37	42.85	13.54	189.46	13.92	17
M2	0.08051	5.777	0.337	2.721	0.40	58.30	5.40	221.78	4.84	2.9e+002
L2	0.08202	0.593	0.318	-0.104	0.42	66.50	34.21	314.25	26.58	3.5
S2	0.08333	1.314	0.340	0.609	0.40	57.32	23.88	243.33	21.51	15
ETA2	0.08507	0.475	0.421	-0.116	0.31	20.24	44.07	145.83	57.50	1.3
MO3	0.11924	0.202	0.193	-0.116	0.18	163.24	94.74	314.24	97.92	1.1
M3	0.12077	0.309	0.193	-0.077	0.18	15.11	35.89	282.96	38.11	2.6
MK3	0.12229	0.288	0.179	-0.115	0.19	89.76	50.51	16.19	47.71	2.6
SK3	0.12511	0.230	0.179	-0.131	0.19	93.67	85.11	101.23	81.80	1.6
MN4	0.15951	0.183	0.152	-0.130	0.20	164.55	138.60	13.63	126.70	1.4
M4	0.16102	0.280	0.202	0.035	0.15	78.25	30.47	96.54	40.62	1.9
SN4	0.16233	0.145	0.159	0.081	0.19	25.53	120.95	44.97	108.93	0.83
MS4	0.16384	0.313	0.185	-0.188	0.17	52.55	57.08	136.19	59.33	2.9
S4	0.16667	0.093	0.147	-0.018	0.20	179.46	132.14	342.16	97.91	0.4
2MK5	0.20280	0.071	0.147	-0.003	0.12	177.33	101.26	289.79	120.37	0.23
2SK5	0.20845	0.167	0.137	-0.002	0.13	138.91	48.08	52.31	49.22	1.5
2MN6	0.24002	0.288	0.205	0.060	0.07	91.39	16.46	50.97	40.65	2
M6	0.24153	0.771	0.204	-0.105	0.07	96.12	5.66	68.38	14.63	14
2MS6	0.24436	0.320	0.197	0.003	0.09	107.56	15.88	110.05	34.01	2.6
2SM6	0.24718	0.071	0.085	-0.022	0.20	13.81	178.11	269.68	93.36	0.7
3MK7	0.28331	0.192	0.092	-0.044	0.08	58.26	26.55	111.97	29.34	4.3
M8	0.32205	0.135	0.059	-0.023	0.06	24.49	25.61	298.90	24.45	5.2

total var= 91.9232 pred var= 41.7595  
percent total var predicted= 45.4 %

file name: C:\SCHTUFF\MASS\_BAY\MBLT\_REPORT\PLOTS2\c6271\_1.txt  
date: 21-May-2005  
nobs = 3361, ngood = 3360, record length (days) = 140.04  
start time: 09-May-2000 18:30:00  
rayleigh criterion = 1.0  
nodal corrections applied to amplitude and phase relative to center time

x0= 0.316, x trend= 0

var(x)= 67.4054 var(xp)= 19.8327 var(xres)= 47.5727  
percent var predicted= 29.4 %

x0= -0.226, x trend= 0

var(y)= 39.112 var(yp)= 11.3722 var(yres)= 27.7398  
percent var predicted= 29.1 %

ellipse parameters with 95% CI estimates

tide	freq	major	emaj	minor	emin	inc	einc	pha	epha	snr
MM	0.00151	0.987	1.155	-0.463	1.04	123.61	86.86	248.99	93.11	0.73
MSF	0.00282	0.490	0.944	0.135	1.23	11.26	159.18	81.84	126.98	0.27
ALP1	0.03440	0.534	0.361	-0.252	0.39	121.76	61.60	251.48	58.41	2.2
2Q1	0.03571	0.589	0.411	-0.267	0.34	177.18	48.65	255.97	55.07	2.1
Q1	0.03722	0.092	0.340	-0.015	0.41	94.23	278.19	141.86	232.97	0.073
O1	0.03873	0.794	0.353	-0.272	0.40	114.44	36.08	340.51	32.72	5.1
NO1	0.04027	1.117	0.403	-0.556	0.35	160.20	60.61	22.18	66.14	7.7
K1	0.04178	1.137	0.344	-0.785	0.41	103.53	47.07	317.05	44.36	11
J1	0.04329	0.488	0.408	-0.159	0.34	167.70	47.65	295.46	54.73	1.4
OO1	0.04483	0.334	0.411	-0.175	0.34	178.83	144.91	231.78	161.31	0.66
UPS1	0.04634	0.442	0.402	-0.160	0.35	22.07	73.89	204.13	81.96	1.2
EPS2	0.07618	0.192	0.907	-0.064	1.09	55.46	348.68	215.79	301.73	0.045
MU2	0.07769	0.796	1.223	0.110	0.71	4.83	52.01	129.54	87.21	0.42
N2	0.07900	1.166	0.810	0.731	1.16	66.73	101.39	176.08	87.15	2.1
M2	0.08051	5.927	1.109	2.867	0.88	148.57	12.79	280.81	14.76	29
L2	0.08202	1.606	1.226	-0.455	0.71	179.85	24.82	27.24	39.14	1.7
S2	0.08333	1.658	1.226	0.396	0.71	2.31	28.11	172.63	45.38	1.8
ETA2	0.08507	0.581	1.197	-0.057	0.76	164.64	76.71	48.93	120.40	0.24
MO3	0.11924	0.256	0.246	-0.216	0.22	36.54	239.29	71.78	244.75	1.1
M3	0.12077	0.243	0.277	-0.103	0.17	171.75	58.62	196.62	80.23	0.77
MK3	0.12229	0.211	0.204	-0.098	0.26	120.27	96.17	354.51	83.15	1.1
SK3	0.12511	0.210	0.272	-0.098	0.18	163.84	79.85	289.62	102.82	0.6
MN4	0.15951	0.164	0.337	-0.012	0.32	137.60	109.46	109.79	115.75	0.24
M4	0.16102	0.651	0.342	-0.287	0.31	40.94	36.72	92.56	38.97	3.6
SN4	0.16233	0.543	0.388	-0.260	0.25	24.85	42.59	314.06	55.11	2
MS4	0.16384	0.352	0.203	-0.175	0.42	85.30	91.25	162.89	61.84	3
S4	0.16667	0.186	0.416	-0.115	0.20	175.89	165.06	130.70	218.51	0.2
2MK5	0.20280	0.190	0.124	-0.020	0.10	13.87	31.76	119.68	38.08	2.4
2SK5	0.20845	0.079	0.123	-0.015	0.10	162.73	83.11	72.55	97.59	0.41
2MN6	0.24002	0.587	0.142	0.175	0.21	80.17	21.75	323.98	15.89	17
M6	0.24153	0.927	0.140	0.037	0.21	86.69	12.35	5.97	8.26	44
2MS6	0.24436	0.319	0.145	0.117	0.21	105.23	42.64	58.72	32.89	4.8
2SM6	0.24718	0.142	0.204	-0.011	0.15	17.79	59.07	44.33	81.43	0.49
3MK7	0.28331	0.078	0.091	-0.064	0.11	92.46	286.64	182.28	278.04	0.74
M8	0.32205	0.089	0.092	0.031	0.07	23.54	55.60	355.12	66.16	0.93

total var= 106.5174 pred var= 31.2049  
percent total var predicted= 29.3 %

file name: C:\SCHTUFF\MASS\_BAY\MBLT\_REPORT\PLOTS2\c6281\_1.txt  
date: 21-May-2005  
nobs = 2828, ngood = 2827, record length (days) = 117.83  
start time: 19-Jul-2000 19:59:18  
rayleigh criterion = 1.0  
nodal corrections applied to amplitude and phase relative to center time

x0= 0.486, x trend= 0

var(x)= 56.0657 var(xp)= 17.0437 var(xres)= 39.022  
percent var predicted= 30.4 %

x0= -1.11, x trend= 0

var(y)= 43.0019 var(yp)= 14.2556 var(yres)= 28.7463  
percent var predicted= 33.2 %

ellipse parameters with 95% CI estimates

tide	freq	major	emaj	minor	emin	inc	einc	pha	epha	snr
MM	0.00151	1.883	1.262	0.374	1.07	113.88	34.71	338.32	40.52	2.2
MSF	0.00282	0.909	1.229	0.242	1.10	122.13	78.03	194.14	85.68	0.55
ALP1	0.03440	0.261	0.448	-0.103	0.47	123.95	134.22	2.62	130.32	0.34
2Q1	0.03571	0.681	0.475	-0.459	0.44	158.62	84.98	280.53	87.54	2.1
Q1	0.03722	0.702	0.456	-0.199	0.46	133.21	43.73	121.27	43.48	2.4
O1	0.03873	0.399	0.443	0.018	0.47	116.98	71.02	320.84	66.68	0.81
NO1	0.04027	0.564	0.464	0.140	0.45	143.23	100.27	304.81	103.01	1.5
K1	0.04178	1.195	0.441	-0.324	0.47	115.13	26.00	345.98	24.50	7.3
J1	0.04329	0.219	0.481	-0.015	0.43	5.62	111.30	116.15	123.58	0.21
OO1	0.04483	0.421	0.456	-0.147	0.46	46.77	108.36	183.62	107.80	0.85
UPS1	0.04634	0.271	0.435	-0.022	0.48	77.27	127.77	246.33	116.08	0.39
EPS2	0.07618	0.453	0.976	-0.108	0.76	146.42	99.12	292.52	123.19	0.22
MU2	0.07769	0.921	1.104	0.014	0.56	171.04	34.01	326.48	66.67	0.69
N2	0.07900	1.698	0.985	0.331	0.75	147.53	27.02	233.44	34.60	3
M2	0.08051	5.658	0.856	2.251	0.90	132.80	11.38	256.38	11.00	44
L2	0.08202	1.965	1.115	-0.484	0.54	0.18	15.40	217.07	28.45	3.1
S2	0.08333	2.098	1.066	0.404	0.63	19.49	18.86	196.90	30.46	3.9
ETA2	0.08507	0.506	0.694	-0.069	1.03	116.44	117.22	33.67	80.51	0.53
MO3	0.11924	0.212	0.223	-0.066	0.15	167.71	51.20	330.35	70.38	0.9
M3	0.12077	0.322	0.226	0.037	0.15	0.25	26.18	39.59	40.05	2
MK3	0.12229	0.135	0.209	0.054	0.17	30.11	96.44	212.77	112.06	0.42
SK3	0.12511	0.167	0.146	-0.106	0.23	92.59	145.12	37.08	121.66	1.3
MN4	0.15951	0.105	0.334	0.016	0.18	164.05	102.25	84.66	182.70	0.099
M4	0.16102	0.716	0.306	-0.114	0.22	30.98	18.30	53.95	24.63	5.5
SN4	0.16233	0.509	0.342	-0.167	0.16	6.89	24.82	323.50	43.33	2.2
MS4	0.16384	0.235	0.285	0.001	0.25	140.57	60.28	158.18	68.34	0.68
S4	0.16667	0.045	0.335	-0.024	0.18	15.33	459.79	321.13	630.59	0.018
2MK5	0.20280	0.273	0.137	0.027	0.08	9.79	17.83	124.45	29.09	4
2SK5	0.20845	0.066	0.138	-0.004	0.08	179.23	73.29	149.61	124.90	0.23
2MN6	0.24002	0.417	0.110	0.025	0.14	74.92	18.41	289.82	14.66	14
M6	0.24153	0.781	0.108	-0.075	0.14	87.14	9.99	350.11	7.70	53
2MS6	0.24436	0.287	0.109	0.059	0.14	77.75	28.60	19.05	22.91	6.9
2SM6	0.24718	0.100	0.112	-0.020	0.14	68.46	81.52	66.11	68.20	0.79
3MK7	0.28331	0.092	0.083	-0.018	0.08	40.53	50.54	242.26	53.54	1.2
M8	0.32205	0.091	0.057	0.021	0.05	28.64	31.97	34.07	36.54	2.5

total var= 99.0676 pred var= 31.2993  
percent total var predicted= 31.6 %

file name: C:\SCHTUFF\MASS\_BAY\MBLT\_REPORT\PLOTS2\c6341\_1.txt  
date: 21-May-2005  
nobs = 3358, ngood = 3357, record length (days) = 139.92  
start time: 26-Sep-2000 20:30:00  
rayleigh criterion = 1.0  
nodal corrections applied to amplitude and phase relative to center time

x0= -0.525, x trend= 0

var(x)= 22.8307 var(xp)= 11.8185 var(xres)= 11.0122  
percent var predicted= 51.8 %

x0= -2.73, x trend= 0

var(y)= 56.1572 var(yp)= 16.0206 var(yres)= 40.1366  
percent var predicted= 28.5 %

ellipse parameters with 95% CI estimates

tide	freq	major	emaj	minor	emin	inc	einc	pha	epha	snr
MM	0.00151	1.307	1.436	0.232	0.75	110.89	35.79	359.83	65.28	0.83
MSF	0.00282	0.482	1.507	-0.151	0.59	99.01	100.32	253.67	200.32	0.1
ALP1	0.03440	0.492	0.381	-0.017	0.25	111.18	29.75	327.77	45.37	1.7
2Q1	0.03571	0.291	0.258	-0.066	0.38	155.77	78.93	302.01	56.45	1.3
Q1	0.03722	0.192	0.372	-0.030	0.26	63.90	84.04	1.71	116.57	0.27
O1	0.03873	0.362	0.316	0.093	0.33	43.11	59.12	249.97	57.30	1.3
NO1	0.04027	0.723	0.375	-0.058	0.26	114.58	33.97	321.50	48.91	3.7
K1	0.04178	0.585	0.391	0.371	0.23	104.84	57.20	18.15	70.05	2.2
J1	0.04329	0.295	0.400	-0.059	0.22	90.23	45.49	290.58	78.63	0.54
OO1	0.04483	0.422	0.283	0.084	0.36	147.38	67.16	353.48	54.32	2.2
UPS1	0.04634	0.476	0.380	-0.228	0.25	111.88	57.05	173.05	73.24	1.6
EPS2	0.07618	0.179	0.223	-0.047	0.20	55.60	66.01	13.33	73.23	0.65
MU2	0.07769	0.384	0.191	-0.029	0.23	28.61	33.38	82.11	27.95	4.1
N2	0.07900	1.234	0.231	0.752	0.19	64.31	17.21	189.02	18.91	29
M2	0.08051	6.319	0.214	2.208	0.21	48.24	2.24	205.94	2.31	8.7e+002
L2	0.08202	0.411	0.185	0.004	0.23	23.17	27.07	214.14	21.49	4.9
S2	0.08333	1.105	0.227	0.182	0.19	60.38	10.42	244.47	12.24	24
ETA2	0.08507	0.212	0.216	-0.039	0.20	130.57	56.10	335.06	58.82	0.96
MO3	0.11924	0.096	0.125	0.049	0.09	97.76	89.76	321.66	109.60	0.59
M3	0.12077	0.139	0.125	-0.002	0.09	94.63	35.30	30.50	50.67	1.2
MK3	0.12229	0.125	0.101	-0.027	0.11	34.26	56.75	126.12	50.45	1.5
SK3	0.12511	0.137	0.089	-0.000	0.12	13.37	52.99	243.82	38.30	2.3
MN4	0.15951	0.204	0.097	0.012	0.10	46.43	26.56	66.53	26.87	4.4
M4	0.16102	0.480	0.102	-0.013	0.09	61.76	10.52	45.65	11.96	22
SN4	0.16233	0.217	0.095	0.039	0.10	40.33	27.08	251.31	26.14	5.2
MS4	0.16384	0.127	0.101	0.002	0.09	55.82	41.18	65.11	44.87	1.6
S4	0.16667	0.063	0.107	-0.029	0.08	96.17	111.55	289.05	129.71	0.35
2MK5	0.20280	0.111	0.083	0.052	0.07	115.90	50.50	270.28	58.41	1.8
2SK5	0.20845	0.067	0.086	-0.017	0.06	75.08	61.09	164.93	81.25	0.61
2MN6	0.24002	0.483	0.133	0.045	0.06	87.42	7.40	339.60	15.42	13
M6	0.24153	0.882	0.132	0.073	0.06	83.72	4.07	6.20	8.35	45
2MS6	0.24436	0.387	0.127	0.027	0.07	71.67	10.60	64.46	18.56	9.2
2SM6	0.24718	0.108	0.132	0.000	0.06	97.82	33.69	54.80	69.06	0.67
3MK7	0.28331	0.069	0.053	-0.006	0.08	9.17	68.88	298.65	44.39	1.7
M8	0.32205	0.104	0.065	-0.079	0.07	142.10	102.84	87.77	102.09	2.6

total var= 78.9879 pred var= 27.8391  
percent total var predicted= 35.2 %

file name: C:\SCHTUFF\MASS\_BAY\MBLT\_REPORT\PLOTS2\c6361\_1.txt  
date: 21-May-2005  
nobs = 2174, ngood = 2173, record length (days) = 90.58  
start time: 14-Nov-2000 18:00:00  
rayleigh criterion = 1.0  
nodal corrections applied to amplitude and phase relative to center time

x0= -0.221, x trend= 0

var(x)= 18.7918 var(xp)= 7.0188 var(xres)= 11.773  
percent var predicted= 37.4 %

x0= -2.53, x trend= 0

var(y)= 44.2294 var(yp)= 15.8488 var(yres)= 28.3805  
percent var predicted= 35.8 %

ellipse parameters with 95% CI estimates

tide	freq	major	emaj	minor	emin	inc	einc	pha	epha	snr
MM	0.00151	0.808	1.214	0.090	1.13	130.19	82.02	49.46	87.60	0.44
MSF	0.00282	0.896	1.327	-0.198	1.00	113.30	69.99	203.31	90.47	0.46
ALP1	0.03440	0.637	0.391	-0.136	0.33	114.76	32.70	311.48	38.17	2.6
2Q1	0.03571	0.245	0.360	-0.146	0.36	136.09	152.70	348.60	151.98	0.46
Q1	0.03722	0.496	0.402	-0.076	0.32	102.50	38.77	355.83	48.71	1.5
O1	0.03873	0.355	0.404	-0.142	0.31	80.45	69.83	184.69	83.57	0.77
NO1	0.04027	0.953	0.378	-0.283	0.35	125.11	36.79	340.68	39.60	6.4
K1	0.04178	0.566	0.400	0.479	0.32	74.57	169.26	332.96	175.61	2
J1	0.04329	0.122	0.381	-0.068	0.34	57.46	264.43	28.95	280.07	0.1
OO1	0.04483	0.239	0.406	0.061	0.31	94.39	107.30	284.04	134.92	0.35
UPS1	0.04634	0.538	0.394	-0.043	0.33	112.53	40.58	163.42	48.72	1.9
EPS2	0.07618	0.200	0.171	0.036	0.17	93.34	47.45	101.83	47.81	1.4
MU2	0.07769	0.255	0.171	0.073	0.17	81.76	42.07	125.60	42.35	2.2
N2	0.07900	1.413	0.171	0.392	0.17	61.33	7.71	171.42	7.74	68
M2	0.08051	5.608	0.171	2.105	0.17	59.10	2.14	199.72	2.15	1.1e+003
L2	0.08202	0.439	0.171	0.241	0.17	55.91	30.48	219.63	30.53	6.6
S2	0.08333	0.846	0.171	0.252	0.17	66.34	13.22	236.54	13.28	24
ETA2	0.08507	0.215	0.171	-0.073	0.17	109.75	51.51	289.13	51.77	1.6
MO3	0.11924	0.104	0.116	0.016	0.09	84.13	52.51	352.09	67.26	0.8
M3	0.12077	0.105	0.109	-0.067	0.10	58.27	106.99	130.23	112.44	0.92
MK3	0.12229	0.156	0.097	-0.024	0.11	148.13	41.68	295.22	37.32	2.6
SK3	0.12511	0.102	0.106	0.064	0.10	129.13	114.28	24.28	116.93	0.93
MN4	0.15951	0.101	0.084	0.051	0.08	177.50	66.28	182.75	69.20	1.4
M4	0.16102	0.233	0.080	0.003	0.08	58.94	19.93	69.13	19.26	8.5
SN4	0.16233	0.102	0.081	0.016	0.08	48.42	47.10	209.47	46.71	1.6
MS4	0.16384	0.065	0.080	0.027	0.08	64.23	95.43	124.03	92.47	0.67
S4	0.16667	0.060	0.082	-0.030	0.08	141.73	117.36	170.26	118.54	0.53
2MK5	0.20280	0.101	0.068	-0.011	0.06	109.93	34.82	183.83	39.12	2.2
2SK5	0.20845	0.058	0.066	-0.042	0.06	53.75	169.58	62.65	172.02	0.77
2MN6	0.24002	0.439	0.111	0.003	0.06	88.83	7.42	325.07	14.12	16
M6	0.24153	0.679	0.111	0.001	0.06	95.04	4.82	345.06	9.07	37
2MS6	0.24436	0.247	0.111	0.040	0.06	93.59	14.33	65.69	26.05	4.9
2SM6	0.24718	0.023	0.083	0.014	0.09	38.94	400.65	355.14	378.45	0.078
3MK7	0.28331	0.059	0.054	-0.041	0.06	138.93	128.94	114.76	126.84	1.2
M8	0.32205	0.039	0.041	-0.005	0.04	119.37	60.53	59.38	59.90	0.88

total var= 63.0212 pred var= 22.8677  
percent total var predicted= 36.3 %

file name: C:\SCHTUFF\MASS\_BAY\MBLT\_REPORT\PLOTS2\c6401\_1.txt  
date: 21-May-2005  
nobs = 3044, ngood = 3033, record length (days) = 126.83  
start time: 13-Feb-2001 20:52:30  
rayleigh criterion = 1.0  
nodal corrections applied to amplitude and phase relative to center time

x0= 0.491, x trend= 0

var(x)= 45.5205 var(xp)= 12.1318 var(xres)= 33.3887  
percent var predicted= 26.7 %

x0= -1.02, x trend= 0

var(y)= 48.1368 var(yp)= 19.1917 var(yres)= 28.9451  
percent var predicted= 39.9 %

ellipse parameters with 95% CI estimates

tide	freq	major	emaj	minor	emin	inc	einc	pha	epha	snr
MM	0.00151	1.376	0.893	0.156	0.91	138.42	38.68	58.01	37.91	2.4
MSF	0.00282	1.101	0.853	-0.073	0.95	154.17	49.75	49.73	44.71	1.7
ALP1	0.03440	0.576	0.568	-0.412	0.48	163.67	128.44	189.40	135.49	1
2Q1	0.03571	0.340	0.496	-0.023	0.56	117.39	91.95	143.40	82.15	0.47
Q1	0.03722	0.216	0.489	0.092	0.56	66.83	194.07	75.23	176.70	0.19
O1	0.03873	0.498	0.472	-0.147	0.58	89.20	75.35	310.82	63.80	1.1
NO1	0.04027	0.605	0.514	-0.161	0.54	128.17	66.77	149.36	64.14	1.4
K1	0.04178	1.384	0.515	-0.626	0.54	51.45	30.70	298.26	29.82	7.2
J1	0.04329	0.221	0.571	-0.101	0.48	12.49	168.60	347.73	189.61	0.15
OO1	0.04483	0.525	0.490	-0.385	0.56	66.65	174.61	143.69	167.69	1.1
UPS1	0.04634	0.319	0.568	-0.096	0.48	163.38	106.08	297.37	121.78	0.32
EPS2	0.07618	0.475	0.675	-0.262	0.62	153.97	117.00	260.75	122.91	0.49
MU2	0.07769	0.406	0.689	0.028	0.60	167.48	83.60	299.99	95.70	0.35
N2	0.07900	1.347	0.600	0.831	0.69	100.95	53.47	182.67	50.23	5
M2	0.08051	6.060	0.619	3.524	0.67	61.59	10.81	192.56	10.38	96
L2	0.08202	0.586	0.693	-0.309	0.60	0.38	84.43	150.80	91.90	0.71
S2	0.08333	1.253	0.629	0.493	0.66	55.28	38.32	221.82	36.88	4
ETA2	0.08507	0.289	0.662	-0.158	0.63	35.41	189.28	82.66	194.36	0.19
MO3	0.11924	0.170	0.179	-0.032	0.19	146.07	67.06	177.15	64.01	0.9
M3	0.12077	0.187	0.173	-0.071	0.19	13.15	72.58	330.75	66.37	1.2
MK3	0.12229	0.290	0.192	-0.152	0.18	112.35	55.07	25.34	58.10	2.3
SK3	0.12511	0.157	0.196	0.004	0.17	90.66	63.16	99.16	72.17	0.64
MN4	0.15951	0.217	0.146	-0.064	0.17	123.94	48.92	30.75	44.09	2.2
M4	0.16102	0.552	0.130	-0.368	0.18	101.10	36.50	79.70	32.46	18
SN4	0.16233	0.267	0.159	-0.001	0.15	41.54	32.65	151.63	33.96	2.8
MS4	0.16384	0.278	0.134	-0.108	0.18	72.54	44.14	96.61	36.10	4.3
S4	0.16667	0.210	0.156	-0.139	0.16	45.27	91.04	151.20	90.93	1.8
2MK5	0.20280	0.160	0.122	-0.071	0.11	77.32	55.73	188.93	58.32	1.7
2SK5	0.20845	0.114	0.122	0.021	0.12	111.80	61.60	211.88	64.79	0.88
2MN6	0.24002	0.446	0.132	-0.020	0.11	92.95	13.65	305.88	16.64	11
M6	0.24153	0.837	0.130	0.030	0.11	107.75	7.41	7.01	8.71	42
2MS6	0.24436	0.350	0.127	-0.053	0.11	116.54	18.96	52.46	21.24	7.5
2SM6	0.24718	0.106	0.128	-0.001	0.11	114.19	60.03	130.48	68.50	0.69
3MK7	0.28331	0.074	0.090	0.039	0.08	75.88	96.50	320.25	103.80	0.68
M8	0.32205	0.074	0.058	0.037	0.06	44.21	64.72	128.65	64.68	1.6

total var= 93.6573 pred var= 31.3235  
percent total var predicted= 33.4 %

file name: C:\SCHTUFF\MASS\_BAY\MBLT\_REPORT\PLOTS2\c6471\_1.txt  
date: 21-May-2005  
nobs = 3809, ngood = 3808, record length (days) = 158.71  
start time: 23-May-2001 21:52:30  
rayleigh criterion = 1.0  
nodal corrections applied to amplitude and phase relative to center time

x0= 0.251, x trend= 0

var(x)= 56.5249 var(xp)= 25.2289 var(xres)= 31.2961  
percent var predicted= 44.6 %

x0= 0.618, x trend= 0

var(y)= 24.763 var(yp)= 8.1648 var(yres)= 16.5982  
percent var predicted= 33.0 %

ellipse parameters with 95% CI estimates

tide	freq	major	emaj	minor	emin	inc	einc	pha	epha	snr
MM	0.00151	0.795	0.613	0.135	0.46	106.24	34.75	58.57	45.84	1.7
MSF	0.00282	0.709	0.533	-0.018	0.55	137.28	44.33	134.53	43.15	1.8
ALP1	0.03440	0.386	0.313	-0.122	0.24	166.81	42.45	186.47	52.34	1.5
2Q1	0.03571	0.195	0.237	-0.001	0.32	90.56	88.85	174.29	66.55	0.68
Q1	0.03722	0.498	0.312	-0.148	0.24	165.62	32.02	223.76	39.49	2.5
O1	0.03873	0.472	0.245	-0.205	0.31	107.02	48.58	304.81	41.36	3.7
NO1	0.04027	0.252	0.281	-0.063	0.28	136.38	65.85	300.51	66.64	0.8
K1	0.04178	1.197	0.237	-0.668	0.32	89.10	23.63	336.05	20.36	26
J1	0.04329	0.322	0.241	-0.054	0.31	101.85	54.51	259.90	42.51	1.8
OO1	0.04483	0.194	0.292	-0.097	0.27	144.90	115.17	330.51	121.96	0.44
UPS1	0.04634	0.363	0.302	-0.201	0.25	153.70	66.55	266.81	72.88	1.4
EPS2	0.07618	0.855	0.656	-0.318	0.47	161.82	39.12	271.56	50.11	1.7
MU2	0.07769	0.896	0.675	-0.211	0.44	0.27	31.34	102.82	45.49	1.8
N2	0.07900	2.418	0.672	0.247	0.45	173.20	10.79	289.86	16.08	13
M2	0.08051	6.203	0.667	2.975	0.46	168.13	6.65	313.27	8.39	87
L2	0.08202	1.268	0.675	-0.833	0.44	179.02	48.80	336.59	57.23	3.5
S2	0.08333	1.229	0.566	0.279	0.58	46.16	29.00	231.51	28.58	4.7
ETA2	0.08507	0.260	0.649	-0.208	0.48	21.43	389.29	104.08	414.91	0.16
MO3	0.11924	0.211	0.273	-0.059	0.19	166.36	58.57	87.36	81.14	0.59
M3	0.12077	0.180	0.255	-0.045	0.21	31.65	74.52	130.87	87.94	0.5
MK3	0.12229	0.453	0.254	-0.205	0.21	148.27	37.81	0.47	42.75	3.2
SK3	0.12511	0.157	0.185	0.019	0.27	102.63	101.00	97.22	68.95	0.72
MN4	0.15951	0.315	0.308	-0.216	0.17	18.13	91.85	150.18	112.24	1
M4	0.16102	0.792	0.290	-0.433	0.20	28.33	25.77	152.10	31.64	7.5
SN4	0.16233	0.181	0.319	-0.075	0.14	172.99	73.97	248.78	123.19	0.32
MS4	0.16384	0.181	0.234	-0.039	0.26	49.26	87.14	201.72	79.43	0.6
S4	0.16667	0.122	0.290	0.028	0.20	28.37	102.79	130.77	145.94	0.18
2MK5	0.20280	0.209	0.138	-0.092	0.12	36.69	44.60	230.81	49.36	2.3
2SK5	0.20845	0.136	0.159	-0.072	0.09	175.63	70.66	261.98	95.56	0.74
2MN6	0.24002	0.509	0.118	0.232	0.19	72.34	28.03	319.68	20.62	19
M6	0.24153	0.739	0.106	0.200	0.20	87.10	16.58	7.32	9.85	48
2MS6	0.24436	0.293	0.127	0.157	0.19	65.47	53.62	44.12	43.64	5.4
2SM6	0.24718	0.072	0.184	0.024	0.13	26.45	128.19	91.96	169.01	0.15
3MK7	0.28331	0.054	0.109	-0.028	0.07	162.99	130.44	205.02	167.14	0.24
M8	0.32205	0.039	0.044	-0.017	0.07	79.25	134.15	107.90	95.76	0.79

total var= 81.2879 pred var= 33.3937  
percent total var predicted= 41.1 %

file name: C:\SCHTUFF\MASS\_BAY\MBLT\_REPORT\PLOTS2\c6671\_1.txt  
date: 21-May-2005  
nobs = 1270, ngood = 1269, record length (days) = 52.92  
start time: 29-Oct-2001 15:52:30  
rayleigh criterion = 1.0  
nodal corrections applied to amplitude and phase relative to center time

x0= -0.853, x trend= 0

var(x)= 21.3483 var(xp)= 9.7234 var(xres)= 11.625  
percent var predicted= 45.5 %

x0= -0.237, x trend= 0

var(y)= 37.0691 var(yp)= 16.2531 var(yres)= 20.816  
percent var predicted= 43.8 %

ellipse parameters with 95% CI estimates

tide	freq	major	emaj	minor	emin	inc	einc	pha	epha	snr
MM	0.00151	1.229	1.577	0.135	1.34	125.08	63.78	201.07	74.74	0.61
MSF	0.00282	0.667	1.769	0.198	1.08	82.87	112.70	323.77	169.28	0.14
ALP1	0.03440	0.581	0.333	-0.200	0.30	122.08	34.52	83.40	37.93	3
2Q1	0.03571	0.506	0.314	-0.331	0.32	135.87	70.59	180.58	70.35	2.6
Q1	0.03722	0.474	0.338	0.207	0.29	118.34	46.70	313.10	51.76	2
O1	0.03873	0.369	0.305	0.225	0.32	141.64	90.22	31.15	87.66	1.5
NO1	0.04027	0.355	0.269	-0.031	0.36	0.13	47.38	351.63	35.94	1.7
K1	0.04178	0.696	0.271	-0.377	0.35	170.67	43.84	59.24	38.01	6.6
J1	0.04329	0.241	0.353	-0.023	0.27	79.72	61.70	86.34	79.81	0.47
OO1	0.04483	0.342	0.305	0.071	0.32	141.46	49.82	66.24	47.10	1.3
UPS1	0.04634	0.297	0.282	-0.135	0.35	21.61	79.20	319.98	69.40	1.1
EPS2	0.07618	0.215	0.268	-0.096	0.25	140.69	89.97	306.35	93.02	0.65
MU2	0.07769	0.365	0.229	-0.085	0.29	78.17	48.56	346.85	39.34	2.5
N2	0.07900	1.394	0.253	0.177	0.27	51.99	11.30	166.39	10.65	30
M2	0.08051	6.054	0.250	2.083	0.27	54.48	3.06	205.32	2.87	5.9e+002
L2	0.08202	0.620	0.273	0.157	0.25	34.06	28.03	259.68	30.46	5.2
S2	0.08333	1.105	0.254	0.371	0.27	50.86	16.43	214.15	15.77	19
ETA2	0.08507	0.089	0.246	-0.044	0.28	121.41	224.96	60.98	209.66	0.13
MO3	0.11924	0.079	0.122	0.037	0.12	123.74	121.96	35.99	121.99	0.42
M3	0.12077	0.113	0.122	0.070	0.12	36.91	118.19	24.61	118.17	0.86
MK3	0.12229	0.120	0.122	0.014	0.12	2.74	58.37	255.88	58.30	0.97
SK3	0.12511	0.087	0.122	-0.071	0.12	63.88	303.42	264.89	303.46	0.51
MN4	0.15951	0.095	0.083	0.055	0.09	114.26	89.26	149.17	88.40	1.3
M4	0.16102	0.271	0.083	-0.005	0.09	90.87	18.10	86.97	17.58	11
SN4	0.16233	0.065	0.084	0.016	0.08	128.60	80.46	134.26	80.00	0.61
MS4	0.16384	0.116	0.084	-0.006	0.08	61.56	42.19	89.95	41.53	1.9
S4	0.16667	0.096	0.083	0.016	0.09	83.75	52.79	223.31	51.38	1.3
2MK5	0.20280	0.154	0.056	0.028	0.08	6.11	31.15	131.00	22.07	7.5
2SK5	0.20845	0.131	0.077	0.053	0.06	117.15	36.02	55.83	41.98	2.9
2MN6	0.24002	0.305	0.122	0.009	0.08	99.83	15.82	329.02	22.93	6.2
M6	0.24153	0.879	0.123	0.025	0.08	90.85	5.40	12.64	8.03	51
2MS6	0.24436	0.323	0.123	0.003	0.08	89.08	14.69	43.85	21.85	6.9
2SM6	0.24718	0.092	0.084	-0.020	0.12	10.84	80.15	126.63	57.53	1.2
3MK7	0.28331	0.051	0.061	-0.011	0.06	50.47	69.80	103.58	72.82	0.68
M8	0.32205	0.044	0.048	0.030	0.05	25.39	139.19	127.47	139.89	0.87

total var= 58.4175 pred var= 25.9765  
percent total var predicted= 44.5 %

file name: C:\SCHTUFF\MASS\_BAY\MBLT\_REPORT\PLOTS2\c6851\_1.txt  
date: 21-May-2005  
nobs = 2493, ngood = 2493, record length (days) = 103.88  
start time: 06-Feb-2002 20:55:00  
rayleigh criterion = 1.0  
nodal corrections applied to amplitude and phase relative to center time

x0= -0.844, x trend= 0

var(x)= 28.8467 var(xp)= 9.4964 var(xres)= 19.3503  
percent var predicted= 32.9 %

x0= -0.976, x trend= 0

var(y)= 43.2593 var(yp)= 17.7684 var(yres)= 25.4909  
percent var predicted= 41.1 %

ellipse parameters with 95% CI estimates

tide	freq	major	emaj	minor	emin	inc	einc	pha	epha	snr
MM	0.00151	1.376	0.978	-0.580	0.97	129.91	53.52	184.27	53.70	2
MSF	0.00282	1.338	0.981	0.117	0.97	122.92	42.03	334.79	42.49	1.9
ALP1	0.03440	0.606	0.473	-0.062	0.48	143.33	44.47	49.50	43.56	1.6
2Q1	0.03571	0.332	0.486	-0.010	0.47	58.75	75.86	344.24	78.47	0.47
Q1	0.03722	0.571	0.471	0.036	0.48	146.14	46.28	41.17	45.02	1.5
O1	0.03873	0.439	0.460	0.005	0.49	1.48	61.94	219.88	57.57	0.91
NO1	0.04027	0.110	0.486	0.043	0.47	119.65	225.51	130.72	231.80	0.051
K1	0.04178	0.789	0.467	-0.371	0.49	25.88	48.48	309.33	47.10	2.9
J1	0.04329	0.435	0.484	-0.143	0.47	123.72	69.04	146.41	70.62	0.81
OO1	0.04483	0.355	0.490	-0.215	0.47	113.05	108.46	170.07	111.04	0.53
UPS1	0.04634	0.185	0.460	-0.092	0.49	7.30	183.14	7.51	175.47	0.16
EPS2	0.07618	0.232	0.252	-0.076	0.30	19.27	83.69	222.39	73.44	0.84
MU2	0.07769	0.405	0.287	0.072	0.26	56.58	39.34	124.42	42.45	2
N2	0.07900	1.707	0.296	0.576	0.25	68.40	10.35	183.99	11.67	33
M2	0.08051	6.018	0.289	2.478	0.26	59.35	3.31	206.70	3.55	4.3e+002
L2	0.08202	0.445	0.246	-0.009	0.30	6.20	49.80	249.91	40.62	3.3
S2	0.08333	1.421	0.274	0.104	0.28	43.20	11.27	238.58	11.12	27
ETA2	0.08507	0.151	0.300	-0.077	0.25	75.99	129.43	196.12	144.07	0.25
MO3	0.11924	0.193	0.094	-0.061	0.09	45.91	31.47	249.50	31.48	4.2
M3	0.12077	0.094	0.095	0.045	0.09	77.81	83.66	127.06	84.61	0.97
MK3	0.12229	0.096	0.095	-0.025	0.09	61.00	59.97	257.81	60.53	1
SK3	0.12511	0.092	0.094	0.020	0.09	155.24	60.91	8.50	60.19	0.98
MN4	0.15951	0.237	0.085	-0.061	0.09	66.41	23.34	62.64	22.83	7.8
M4	0.16102	0.393	0.085	-0.023	0.09	64.38	12.82	84.18	12.53	22
SN4	0.16233	0.150	0.086	-0.110	0.09	145.73	86.56	231.99	86.91	3
MS4	0.16384	0.068	0.087	0.007	0.08	9.91	72.94	102.49	75.45	0.6
S4	0.16667	0.087	0.084	0.006	0.09	79.72	57.64	285.15	55.71	1.1
2MK5	0.20280	0.094	0.057	-0.075	0.07	21.08	133.10	305.14	128.43	2.7
2SK5	0.20845	0.024	0.058	0.014	0.07	21.49	288.31	121.98	268.41	0.17
2MN6	0.24002	0.568	0.104	0.036	0.05	95.76	5.66	332.40	10.63	30
M6	0.24153	0.694	0.104	-0.023	0.05	94.66	4.58	12.60	8.70	45
2MS6	0.24436	0.364	0.103	0.020	0.06	99.41	8.96	76.75	16.40	12
2SM6	0.24718	0.136	0.098	0.031	0.06	113.81	30.63	151.96	44.10	1.9
3MK7	0.28331	0.025	0.044	-0.009	0.05	165.85	138.12	244.15	127.84	0.31
M8	0.32205	0.066	0.036	-0.007	0.03	120.25	30.91	85.26	32.50	3.3

total var= 72.106 pred var= 27.2648  
percent total var predicted= 37.8 %

file name: C:\SCHTUFF\MASS\_BAY\MBLT\_REPORT\PLOTS2\c6871\_1.txt  
date: 21-May-2005  
nobs = 4778, ngood = 4777, record length (days) = 199.08  
start time: 08-Apr-2002 14:40:28  
rayleigh criterion = 1.0  
nodal corrections applied to amplitude and phase relative to center time

x0= 0.345, x trend= 0

var(x)= 77.8415 var(xp)= 26.9743 var(xres)= 50.8672  
percent var predicted= 34.7 %

x0= -0.286, x trend= 0

var(y)= 42.8211 var(yp)= 15.268 var(yres)= 27.5532  
percent var predicted= 35.7 %

ellipse parameters with 95% CI estimates

tide	freq	major	emaj	minor	emin	inc	einc	pha	epha	snr
SSA	0.00023	1.022	1.053	-0.220	0.82	76.46	50.29	235.76	62.78	0.94
MM	0.00151	2.282	0.931	-0.243	0.96	138.29	24.52	140.56	23.79	6
MSF	0.00282	0.763	0.822	-0.191	1.05	167.55	86.12	281.96	69.22	0.86
MF	0.00305	1.056	0.976	0.077	0.91	128.04	50.07	32.53	53.38	1.2
ALP1	0.03440	0.151	0.442	-0.044	0.37	29.87	153.19	115.30	179.01	0.12
2Q1	0.03571	0.376	0.421	-0.104	0.39	39.39	62.76	62.48	66.69	0.8
Q1	0.03722	0.398	0.469	-0.007	0.33	167.64	44.83	60.20	63.20	0.72
O1	0.03873	0.769	0.414	0.057	0.40	138.12	28.25	341.79	29.38	3.4
TAU1	0.03896	0.808	0.470	-0.219	0.33	169.42	26.55	277.03	35.91	2.9
BET1	0.04004	0.425	0.470	-0.071	0.33	168.36	43.82	73.24	60.79	0.82
NO1	0.04027	0.146	0.351	0.032	0.46	112.60	130.69	344.42	103.01	0.17
P1	0.04155	1.114	0.468	-0.955	0.33	12.98	101.93	27.13	107.15	5.7
K1	0.04178	1.296	0.364	-0.745	0.45	118.43	31.18	314.57	28.20	13
PHI1	0.04201	0.443	0.453	-0.168	0.35	156.00	57.67	226.57	69.35	0.95
J1	0.04329	0.346	0.463	-0.007	0.34	162.40	53.32	216.60	72.43	0.56
SO1	0.04460	0.354	0.374	-0.237	0.44	122.39	138.83	98.70	130.83	0.9
OO1	0.04483	0.309	0.463	-0.178	0.34	162.24	86.74	226.46	100.69	0.45
UPS1	0.04634	0.164	0.436	0.010	0.38	147.04	101.61	16.89	117.88	0.14
EPS2	0.07618	0.703	0.937	-0.357	0.70	29.24	93.08	22.62	110.10	0.56
MU2	0.07769	0.685	1.027	-0.101	0.56	179.11	50.11	204.07	88.74	0.44
N2	0.07900	1.508	1.015	0.820	0.58	169.50	43.56	264.01	57.70	2.2
M2	0.08051	6.062	1.024	4.248	0.57	175.06	17.11	315.00	20.56	35
MKS2	0.08074	1.398	1.024	-0.945	0.57	175.09	62.48	124.00	76.39	1.9
L2	0.08202	1.014	1.027	-0.315	0.56	178.84	57.02	352.55	91.93	0.98
S2	0.08333	1.927	0.940	0.284	0.70	28.67	21.57	210.45	28.73	4.2
K2	0.08356	0.656	0.886	-0.136	0.76	142.83	65.97	268.44	75.48	0.55
MSN2	0.08485	0.582	0.960	-0.364	0.67	154.91	146.94	323.87	171.22	0.37
ETA2	0.08507	0.297	1.018	-0.130	0.58	8.99	148.77	142.90	213.92	0.085
MO3	0.11924	0.142	0.207	-0.065	0.19	40.92	103.13	231.51	108.45	0.47
M3	0.12077	0.153	0.166	0.030	0.23	62.12	90.62	238.06	67.88	0.85
SO3	0.12206	0.400	0.245	-0.136	0.14	8.16	24.65	84.10	38.18	2.7
MK3	0.12229	0.522	0.242	-0.185	0.14	13.97	20.37	136.77	30.06	4.7
SK3	0.12511	0.247	0.246	-0.025	0.14	6.63	31.36	233.81	55.46	1
MN4	0.15951	0.500	0.372	-0.239	0.19	14.26	39.19	119.76	57.67	1.8
M4	0.16102	0.682	0.319	-0.102	0.27	37.67	23.87	102.74	28.09	4.6
SN4	0.16233	0.231	0.359	-0.030	0.21	21.80	55.17	152.93	91.57	0.41
MS4	0.16384	0.316	0.370	-0.132	0.19	15.59	54.58	245.91	83.58	0.73
MK4	0.16407	0.278	0.281	-0.081	0.31	49.06	66.59	140.21	61.50	0.98
S4	0.16667	0.172	0.341	-0.021	0.24	150.12	82.38	323.57	115.62	0.25

SK4	0.16689	0.128	0.176	-0.054	0.38	97.72	193.05	237.89	118.92	0.53
2MK5	0.20280	0.125	0.172	-0.010	0.12	23.58	56.55	235.27	77.59	0.53
2SK5	0.20845	0.127	0.154	-0.013	0.15	42.40	64.67	352.25	67.36	0.69
2MN6	0.24002	0.516	0.160	0.139	0.15	105.70	19.18	330.04	20.23	10
M6	0.24153	0.916	0.161	-0.088	0.15	100.58	9.78	15.39	10.44	32
2MS6	0.24436	0.303	0.161	0.189	0.15	91.75	56.73	47.54	58.55	3.5
2MK6	0.24458	0.165	0.158	-0.034	0.15	124.78	53.08	88.66	54.32	1.1
2SM6	0.24718	0.111	0.160	0.036	0.15	66.65	93.60	94.98	97.40	0.48
MSK6	0.24741	0.074	0.160	0.006	0.15	67.54	110.21	165.46	115.90	0.21
3MK7	0.28331	0.083	0.106	0.013	0.08	160.29	59.79	99.24	73.82	0.62
M8	0.32205	0.150	0.071	-0.060	0.07	51.18	37.72	211.23	36.34	4.5

total var= 120.6627 pred var= 42.2423

percent total var predicted= 35.0 %

file name: C:\SCHTUFF\MASS\_BAY\MBLT\_REPORT\PLOTS2\c6921\_1.txt  
date: 21-May-2005  
nobs = 3739, ngood = 3739, record length (days) = 155.79  
start time: 21-May-2002 20:52:30  
rayleigh criterion = 1.0  
nodal corrections applied to amplitude and phase relative to center time

x0= 0.494, x trend= 0

var(x)= 65.2776 var(xp)= 21.49 var(xres)= 43.7876  
percent var predicted= 32.9 %

x0= -0.1, x trend= 0

var(y)= 32.8789 var(yp)= 10.5155 var(yres)= 22.3634  
percent var predicted= 32.0 %

ellipse parameters with 95% CI estimates

tide	freq	major	emaj	minor	emin	inc	einc	pha	epha	snr
MM	0.00151	1.886	0.902	-0.179	0.95	141.68	29.29	123.42	27.79	4.4
MSF	0.00282	0.626	0.817	-0.141	1.03	173.02	100.52	280.13	81.86	0.59
ALP1	0.03440	0.192	0.502	0.055	0.34	23.83	113.55	111.60	156.96	0.15
2Q1	0.03571	0.368	0.533	-0.028	0.29	177.57	42.52	272.30	77.76	0.48
Q1	0.03722	0.102	0.523	-0.051	0.31	166.42	281.44	42.82	380.60	0.038
O1	0.03873	0.650	0.355	0.021	0.49	117.46	40.84	329.62	29.50	3.4
NO1	0.04027	0.193	0.416	-0.012	0.44	131.95	90.04	23.06	84.99	0.21
K1	0.04178	1.384	0.375	-0.909	0.48	122.27	37.48	322.81	34.13	14
J1	0.04329	0.341	0.518	-0.109	0.32	163.42	63.05	229.66	93.42	0.43
OO1	0.04483	0.270	0.524	-0.237	0.30	12.76	355.16	33.10	379.22	0.27
UPS1	0.04634	0.186	0.516	0.041	0.32	162.39	83.13	12.26	127.97	0.13
EPS2	0.07618	0.937	0.922	-0.384	0.58	13.55	51.14	35.01	70.21	1
MU2	0.07769	0.838	0.939	-0.099	0.55	179.15	39.47	192.52	65.76	0.8
N2	0.07900	1.704	0.935	0.398	0.56	173.92	21.51	272.80	33.82	3.3
M2	0.08051	5.653	0.912	3.610	0.60	162.91	14.40	299.32	17.07	38
L2	0.08202	1.217	0.938	-0.587	0.55	177.60	62.51	340.54	85.22	1.7
S2	0.08333	1.845	0.892	0.393	0.63	22.64	21.27	200.65	29.34	4.3
ETA2	0.08507	0.362	0.923	-0.270	0.58	166.70	274.68	345.67	310.90	0.15
MO3	0.11924	0.182	0.136	-0.030	0.26	85.79	80.55	217.90	43.69	1.8
M3	0.12077	0.182	0.144	0.006	0.26	102.71	82.36	238.69	46.04	1.6
MK3	0.12229	0.477	0.262	-0.213	0.14	3.10	25.98	144.69	39.03	3.3
SK3	0.12511	0.192	0.258	-0.007	0.14	12.48	41.14	230.59	73.76	0.56
MN4	0.15951	0.543	0.306	-0.193	0.25	34.21	33.07	103.41	39.04	3.1
M4	0.16102	0.623	0.268	-0.120	0.29	48.54	28.42	105.04	26.61	5.4
SN4	0.16233	0.237	0.304	-0.068	0.25	34.99	69.91	146.91	82.75	0.61
MS4	0.16384	0.325	0.293	-0.256	0.26	39.64	161.75	216.05	165.91	1.2
S4	0.16667	0.093	0.298	0.008	0.26	142.56	159.04	303.75	184.60	0.098
2MK5	0.20280	0.186	0.172	-0.035	0.11	172.52	35.38	27.93	54.03	1.2
2SK5	0.20845	0.170	0.162	-0.017	0.12	26.52	40.67	338.57	53.14	1.1
2MN6	0.24002	0.496	0.146	0.115	0.16	122.82	20.05	351.40	18.84	12
M6	0.24153	0.872	0.139	-0.060	0.16	99.10	11.07	21.81	9.44	39
2MS6	0.24436	0.200	0.150	0.153	0.15	131.78	134.36	100.51	133.70	1.8
2SM6	0.24718	0.110	0.138	0.055	0.16	85.46	123.02	118.89	111.27	0.64
3MK7	0.28331	0.055	0.095	0.008	0.09	135.24	99.21	111.79	99.42	0.34
M8	0.32205	0.073	0.049	-0.068	0.07	98.79	485.06	153.00	475.14	2.2

total var= 98.1566 pred var= 32.0055  
percent total var predicted= 32.6 %